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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants : Stan Gronthos et al.

Serial No. : 10/551,162

Filed : March 29, 2004

Title : PERIVASCULAR MESENCHYMAL PRECURSOR CELLS

1185 Avenue of the Americas  
New York, New York 10036  
August 7, 2007

MAIL STOP AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

In accordance with the duty of disclosure under 37 C.F.R. §1.56, applicants direct the Examiner's attention to the following items, which are listed on the Substitute Form PTO-1449 attached hereto as **Exhibit A**. Item 1 is a related U.S. Patent Application Publication. No copy of this item is attached hereto as permitted by 37 C.F.R. §1.98(a)(2)(ii). Copies of the items 2-12 are attached hereto as **Exhibits 1-11**, respectively.

1. U.S. Patent Application Publication No. 2006-0286007 A1, published December 21, 2006;
2. PCT International Application No. WO 02/007679, published January 31, 2002; (**Exhibit 1**)

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /MB/

Applicants: Stan Gronthos et al.  
Serial No.: 10/551,162  
Filed: March 29, 2004  
Page 2

3. PCT International Application No. WO 00/06701, published February 10, 2000; (**Exhibit 2**)
4. Shi S et al: "Perivascular niche of postnatal mesenchymal stem cells in human bone marrow and dental pulp." Journal of Bone and Mineral Research, vol. 17, no. Suppl 1, September 2002 (2002-09), page S446, XP009083412 & Twenty-Fourth Annual meeting of the American Society for Bone and Mineral Research; San Antonio, Texas, USA; September 20-24, 2002; (**Exhibit 3**)
5. Jones Elena A et al: "Isolation and characterization of bone marrow multipotential mesenchymal progenitor cells." Arthritis and Rheumatism Dec 2002, vol. 46, no. 12, December 2002 (2002-12); (**Exhibit 4**)
6. Gronthos S et al: "Postnatal human dental pulp stem cells (DPSCs) in vitro and in vivo." Proceedings of the National Academy of Sciences of USA, National Academy of Science, Washington, DC, US, vol. 97, no. 25, 5 December 2000 (2000-12-05), pages 13625-13630; (**Exhibit 5**)
7. Shi S et al: "Comparison of human dental pulp and bone marrow stromal stem cells by cDNA microarray analysis." Bone, Pergamon Press., Oxford, GB, vol. 29, no. 6, December 2001 (2001-12), pages 532-539; (**Exhibit 6**)
8. Shi S et al: "Perivascular niche of postnatal mesenchymal stem cells in human bone marrow and dental pulp." Journal of Bone and Mineral Research, New York, NY, US, vol. 18,

Applicants: Stan Gronthos et al.  
Serial No.: 10/551,162  
Filed: March 29, 2004  
Page 3

no. 4, April 2003 (2003-04), page 696-704; (**Exhibit 7**)

9. Gronthos Stan et al: "Molecular and cellular characterization of highly purified stromal stem cells derived from human bone marrow." *Journal of Cell Science*, vol. 116, no. 9, 1 May 2003 (2003-05-01), pages 1827-1835; (**Exhibit 8**)
10. Tse H F et al: "Angiogenesis in ischaemic myocardium by intramyocardial autologous bone marrow mononuclear cell implantation." *Lancet The, Lancet Limited, London, GB*, vol. 361, no. 9351, 4 January 2003 (2003-01-04), pages 47-49; (**Exhibit 9**)
11. Supplementary European Search Report from European Patent Office, Application No. EP 04 72 3935, 10 May 2007; (**Exhibit 10**) and
12. Supplementary European Search Report from European Patent Office, Application No. EP 04 72 3937, 25 May 2007; (**Exhibit 11**)

Items 2 and 4-9 were cited in a Supplemental European Search Report in connection with corresponding European Application No. 04723935.5, a copy of which is attached hereto as Exhibit 10.

Items 3-7 and 9-10 were cited in a Supplemental European Search Report in connection with related European Application No. 04723937.1, a copy of which is attached hereto as Exhibit 11.

Applicants: Stan Gronthos et al.  
Serial No.: 10/551,162  
Filed: March 29, 2004  
Page 4

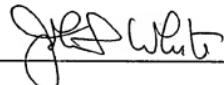
This Supplemental Information Disclosure Statement is being submitted pursuant to 37 C.F.R. §1.97(b)(3) and no fee is deemed necessary.

Applicants request that the Examiner review the references and make them of record in the subject application.

If a telephone interview would be of assistance in advancing prosecution of the subject application, applicants' undersigned attorneys invite the Examiner to telephone them at the number provided below.

No fee is deemed necessary in connection with the filing of this Supplemental Information Disclosure Statement. However, if any fee is required, authorization is hereby given to charge the amount of any such fee to Deposit Account No. 03-3125.

Respectfully submitted,



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I hereby certify that this correspondence is being deposited this date with the U.S. Postal Service with sufficient postage as first class mail in an envelope addressed to:	
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John P. White Reg. No. 28,678	Date

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U.S. Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

Substitute for form 1449/PTO		Complete if Known	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Use as many sheets as necessary)</i>		Application Number	10/551,162
		Filing Date	3/29/04
		First Named Inventor	Stan Gronthos
		Art Unit	
		Examiner Name	
Sheet	of	Attorney Docket Number	22517/5190

#### U. S. PATENT DOCUMENTS

#### FOREIGN PATENT DOCUMENTS

Examiner \_\_\_\_\_ Examiner \_\_\_\_\_ Date \_\_\_\_\_

**EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. "Applicant's unique citation designation number (optional). See Kind Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04." Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>a</sup>Applicant is to place a check mark here if English language

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application for a trademark. This information is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the required information to the USPTO. Time will vary depending upon the individual case. Any comment or suggestion you have for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: [Comments@uspto.gov](mailto:Comments@uspto.gov) for Patent, P.O. Box 1450, Alexandria, VA 22313-1450.

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Applicants: Stan Gronthos et al.  
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Filed: March 29, 2004  
Exhibit A

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Substitute for Form PTO-1449		Atty. Docket No.	Serial No. 10/551,162
U.S. Department of Commerce Patent and Trademark Office		Applicants: Stan Gronthos et al.	
INFORMATION DISCLOSURE CITATION (Use several sheets if necessary)		Filing Date March 29, 2004	Group
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)			
3	Shi S et al: "Perivascular niche of postnatal mesenchymal stem cells in human bone marrow and dental pulp." Journal of Bone and Mineral Research, vol. 17, no. Suppl 1, September 2002 (2002-09), page S446, NP0090183412 & Twenty-Fourth Annual meeting of the American Society for Bone and Mineral Research; San Antonio, Texas, USA; September 20-24, 2002.		
4	Jones Elena A et al: "Isolation and characterization of bone marrow multipotential mesenchymal progenitor cells." Arthritis and Rheumatism Dec 2002, vol. 46, no. 12, December 2002 (2002-12), pages 3349-3360.		
5	Gronthos S et al: "Postnatal human dental pulp stem cells (DPSCs) in vitro and in vivo." Proceedings of the National Academy of Sciences of USA, National Academy of Science, Washington, DC, US, vol. 97, no. 25, 5 December 2000 (2000-12-05), pages 13625-13630.		
6	Shi S et al: "Comparison of human dental pulp and bone marrow stromal stem cells by cDNA microarray analysis." Bone, Pergamon Press, Oxford, GB, vol. 29, no. 6, December 2001 (2001-12), pages 532-539.		
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9	Isc E F et al: "Angiogenesis in ischaemic myocardium by intramyocardial autologous bone marrow mononuclear cell implantation." Lancet The, Lancet Limited, London, GB, vol. 361, no. 9351, 4 January 2003 (2003-01-04), pages 47-49.		
10	Supplementary European Search Report from European Patent Office, Application No. EP 04 72 3935, 10 May 2007.		
11	Supplementary European Search Report from European Patent Office, Application No. EP 04 72 3937, 25 May 2007.		
EXAMINER /Michail Belyavsky/ DATE CONSIDERED			
*EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.			

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